

Claims

1. A rotating-pressing operation type electronic part comprising a frame body, and a rotating operation body of a sleeve shape rotatably supported within said frame body, and detecting a rotating direction and a rotating amount by rotating said rotating operation body, and operating a push button switch by pushing down said frame body;

wherein an inner contact constructed by a sleeve-shaped electric conductor and extending plural extending portions in parallel at a predetermined angle pitch from an opening edge portion along an axis is inserted into said rotating operation body and is integrated with said rotating operation body; and at least one contact piece for a rotating signal is arranged on an inner circumferential face of said extending portion so as to come in contact therewith within said inner contact; and a common contact piece is arranged so as to always come in contact with the inner circumferential face except for said extending portion.

2. The rotating-pressing operation type electronic part according to claim 1, wherein the common contact piece is constructed by plural elastic contact portions always coming in contact with the inner circumferential

face except for the extending portion of the inner contact.

3. The rotating-pressing operation type electronic part according to claim 2, wherein the lengths of the plural elastic contact portions are different from each other.

4. A rotating-pressing operation type electronic part comprising a frame body, and a rotating operation body of a sleeve shape rotatably supported within said frame body, and detecting a rotating direction and a rotating amount by rotating said rotating operation body, and operating a push button switch by pushing down said frame body;

wherein an inner contact constructed by a disk-shaped electric conductor and extending plural extending portions in parallel at a predetermined angle pitch from an outer circumferential edge portion along an axis is inserted into said rotating operation body and is integrated with said rotating operation body; and at least one contact piece for a rotating signal is arranged on an inner circumferential face of said extending portion so as to come in contact therewith within said inner contact; and a contact portion of a common terminal is arranged so as to always come in contact with an outer directional face except for said extending portion.

5. The rotating-pressing operation type electronic

part according to any one of claims 1 to 4, wherein the elastic contact portions of the plural contact pieces for a rotating signal able to come in contact with the inner circumferential face of the extending portion of the inner contact are set to different length sizes.

6. The rotating-pressing operation type electronic part according to any one of claims 1 to 5, wherein a step portion fitted between the extending portions of the inner contact and setting the same face is arranged on the inner circumferential face of the rotating operation body.

7. The rotating-pressing operation type electronic part according to any one of claims 1 to 6, wherein a push button switch is arranged on a lower face of the frame body.

8. An electronic device using a rotating-pressing operation type electronic part in which the electronic device is constructed by the rotating-pressing operation type electronic part according to any one of claims 1 to 6; and the print substrate mounting a push button switch so as to be located just below the frame body of said rotating-pressing operation type electronic part; wherein detecting data of a rotating direction and a rotating amount of said rotating operation body are detected through the inner contact and the contact piece for a rotating signal by rotating the rotating operation body of

said rotating-pressing operation type electronic part mounted to said print substrate, and said push button switch is operated by pushing down said frame body.

9. An electronic device using a rotating-pressing operation type electronic part in which the electronic device is constructed by the rotating-pressing operation type electronic part according to claim 7; and the print substrate able to directly electrically connect a lead terminal of the push button switch of said rotating-pressing operation type electronic part, wherein detecting data of a rotating direction and a rotating amount of said rotating operation body are detected through the inner contact and the contact piece for a rotating signal by rotating the rotating operation body of said rotating-pressing operation type electronic part mounted to said print substrate, and said push button switch is operated by pushing down said frame body.